

Weekly Report

Lu Junhua

October 19, 2014

Work has been done

1. Proceeded learning R. Covered about one fifth of the book *Statistical Analysis with R*.
2. Began to read the paper *Determinants of Crime Propensity: Individual Characteristics and Behavioral Patterns*, the mathematical model of the project Police Data.
3. Learning the two items above requires many extra knowledge regarding statistics. So I also had some review of probability and started to attain more knowledge about stochastic process, mathematical statistics, etc.

Work to be done

1. Finish reading the paper. Try to use the R code written by Prof. He to test the simulated data.
2. To prepare for the materials for English Writing Learning Class, which is related to Wu Feiran and Zhu Minfeng's recent work.
3. To Proceed reading the book *Statistical Learning Method* and finish Chap.5, Chap.6.